

Houston Pilots Forecast Package

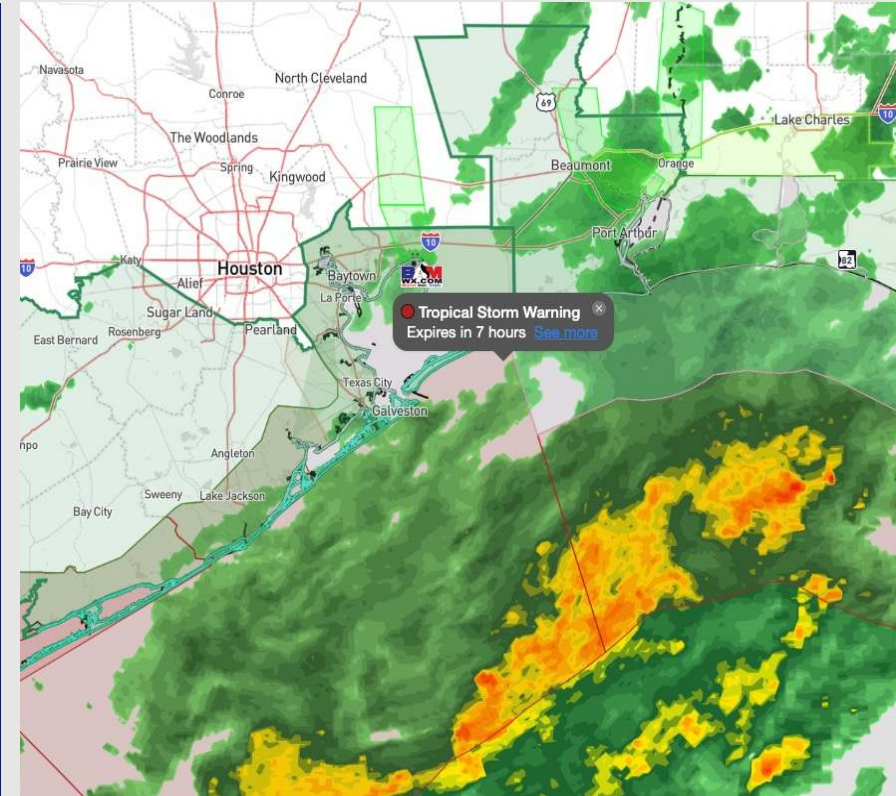


Updated: 11:15 PM CT
Tuesday, June 18, 2024

Forecaster: Jonathan Kipper

Weather Headlines

- Stronger wind gusts will continue across the area now through FRI.
- Zulu port conditions in effect. See slides below for timing and anticipated wave heights.
- Scattered to widespread showers/storms expected to continue through now into THU.
- Check custom graphic below on current thinking for multi day heavy rain event.



Current Radar: 11:00 PM CT

Click link to the right for video briefing: [Video](#)



As always, please do not hesitate to reach out to us with any forecast questions via the chat option on Clarity or our on-call number, **(317)-560-8122** press **1** for forecast questions.

Houston Pilots Wave Height Update



Port Condition	34 KTS+ Sustained Winds	6 Foot Waves	Time Remaining/Trigger End
Victor	N/A	N/A	N/A
Whiskey	N/A	N/A	N/A
X-Ray	N/A	N/A	N/A
Yankee	N/A	N/A	N/A
Zulu	YES	IN EFFECT	4 AM CT FRI

Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	No
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	No
Yankee	24 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	No
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	YES

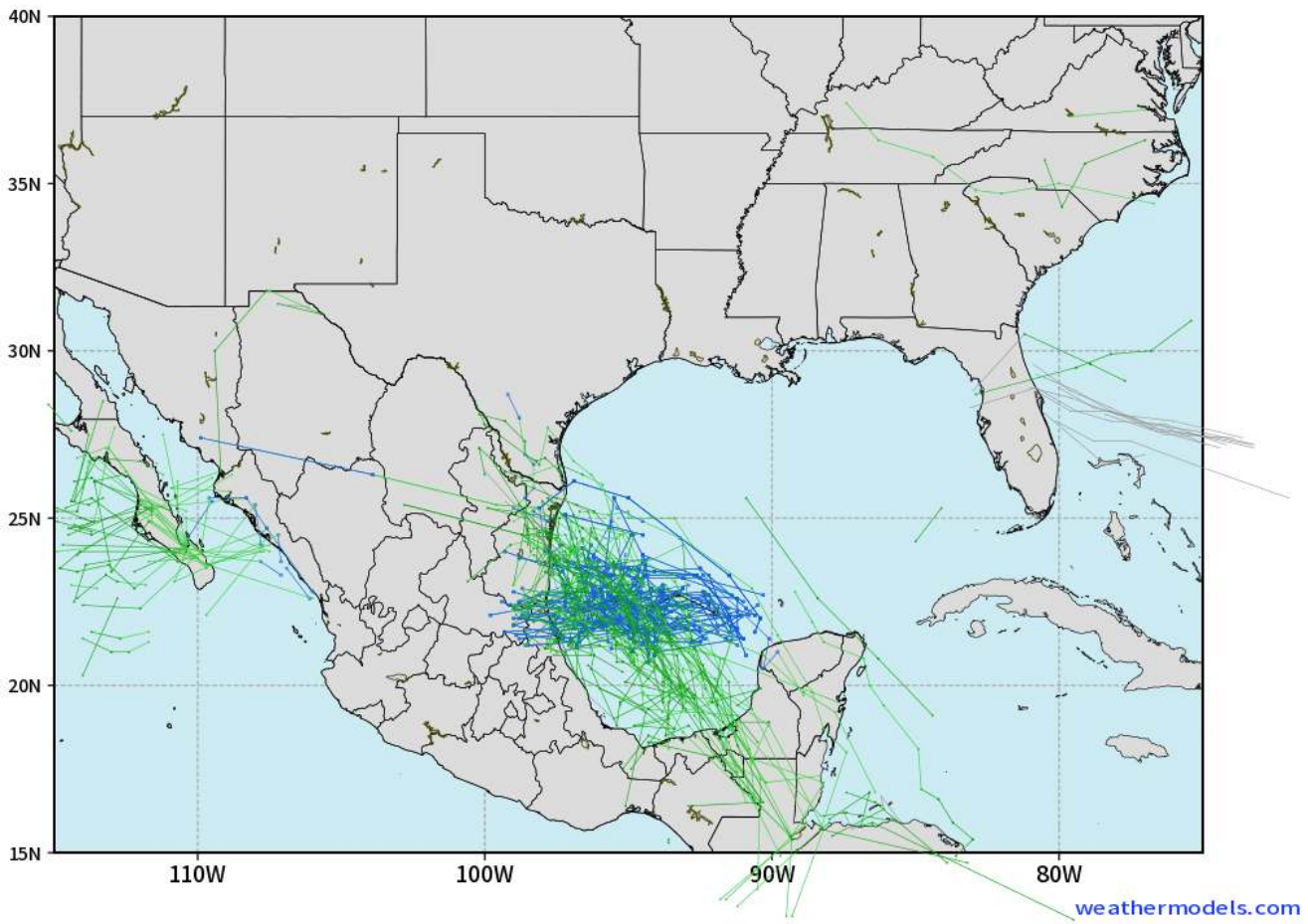
Wave heights above 6 ft towards Station 11/12 and the Boarding Station will continue to gradually increase in height throughout the day, with heights remaining at 6+ ft until ~4 AM FRI. [More details on progression on wave height slide.](#)

Houston Pilots Tropical Update

European Model Next 10 Days - Tropical Tracks

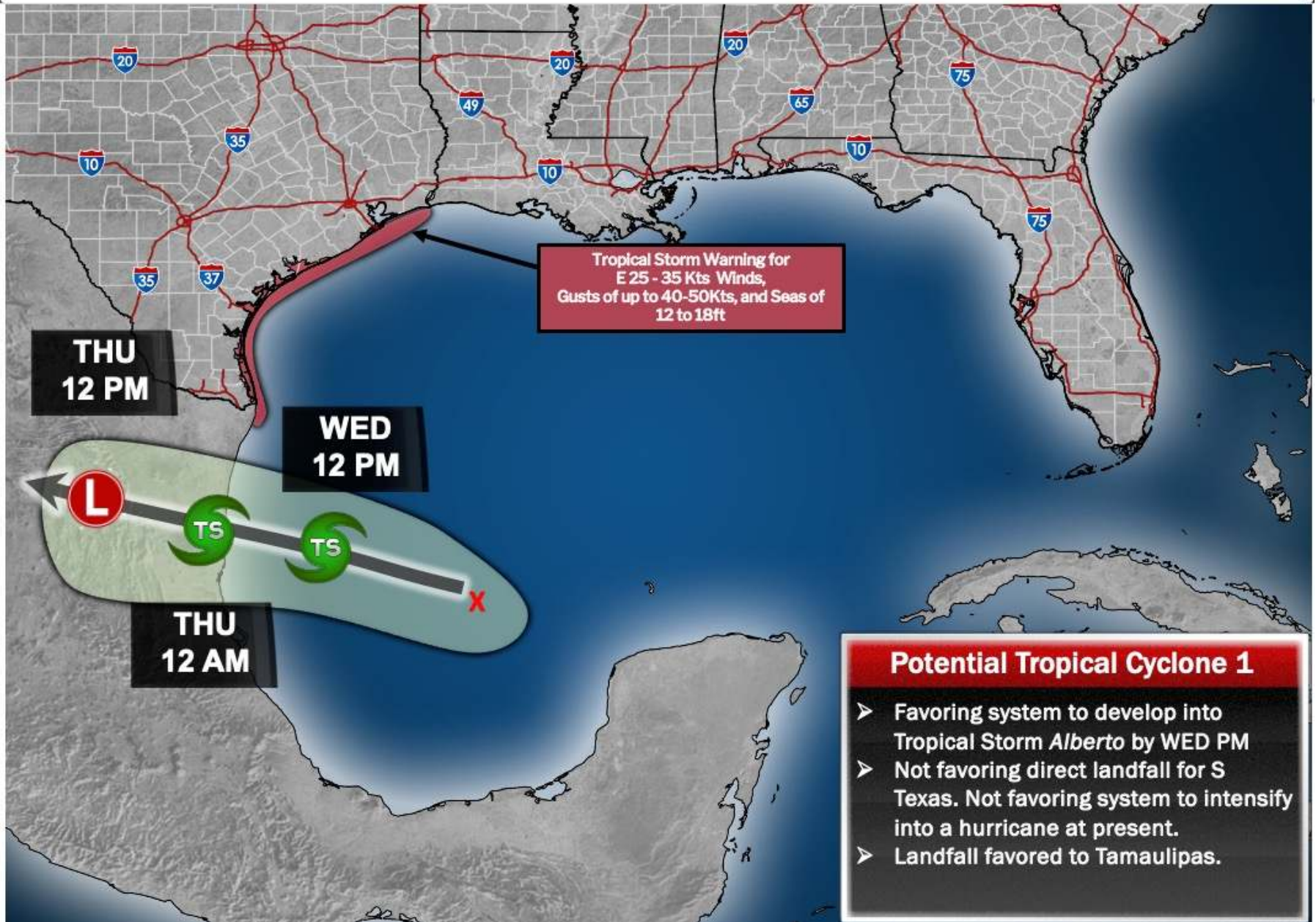
ECMWF GULF EPS Cyclone Locations --> Next [10-days]
INIT: 12Z18JUN2024 --> UNTIL 12Z28JUN2024

o-o ENSEMBLE MEAN
o-o 1000 - 1010 hPa
o-o 980 - 999 hPa
o-o 960 - 979 hPa
o-o 950 - 959 hPa
o-o < 950 hPa



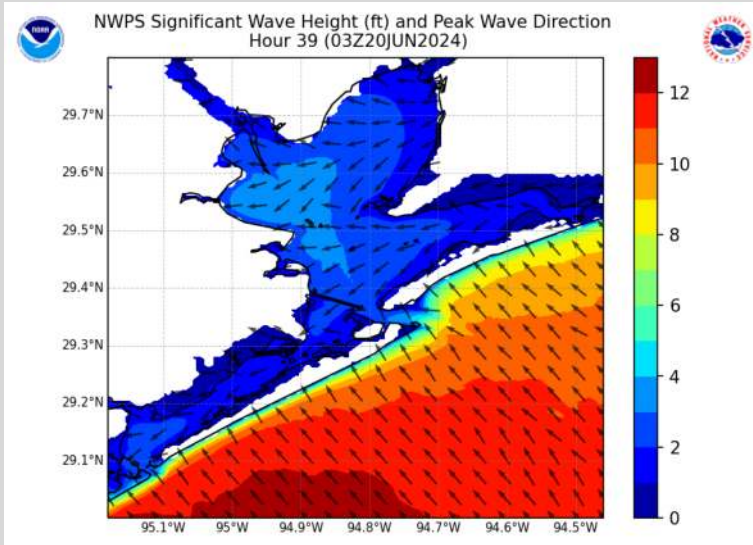
Monitoring a tropical disturbance with the potential to become a Tropical Depression in the SW Gulf of Mexico through the 21st.

As of TUE PM, direct impact with Houston is not favored. Periods of moderate/heavy rain and higher seas will be possible during that timeframe.

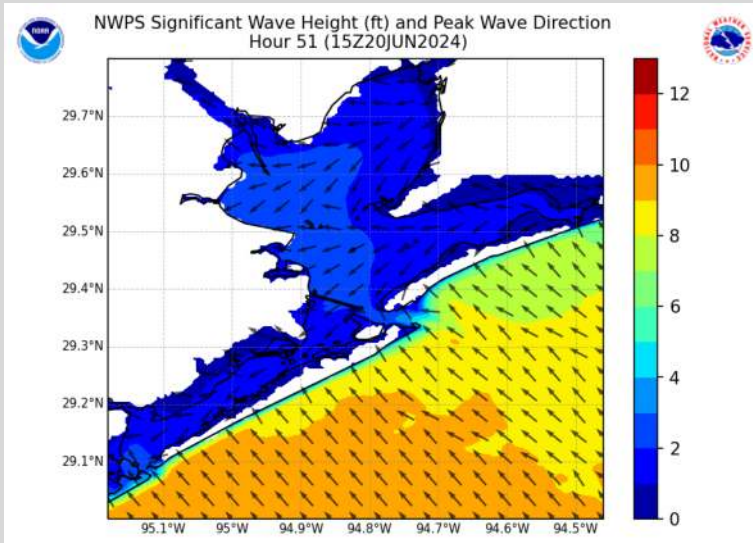


Houston Pilots Wave Height Update

Significant Wave Height Image



10 PM CT WED
(PEAK HEIGHTS)



10 AM CT THU

Wave heights of 6-8 ft will continue to increase throughout WED.

The highest waves are favored to arrive around 10 AM WED and continue through 7 AM THU. Over this time frame, favored wave heights are ~9-11 ft at station 11/12 and the Boarding Station. An occasional 11-12 ft wave around the Boarding Station cannot be ruled out.

Wave heights very slowly recede across THU. Heights are currently anticipated to drop below 6 ft threshold around 4 AM FRI.

Houston Pilots Visibility Chart (miles)



Time	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm
610 Bridge	10	10	10	10	10	10	10	10	5	6	5	3	1	3	6	7	6	6	7	6	7	10	10	10
Kinder 1	10	10	10	10	10	10	10	10	5	6	5	3	1	3	6	7	6	6	7	6	7	10	10	10
Greens Bayou	10	10	10	10	10	10	10	10	5	6	6	3	3	3	6	7	6	6	7	6	7	10	10	10
Shell Crude	10	10	10	10	10	10	10	10	5	6	6	3	3	3	6	7	6	6	7	6	7	10	10	10
Lynchburg Ferries	10	10	10	10	10	10	10	10	6	6	6	6	7	3	6	7	6	6	7	6	6	10	10	10
Exxon 3	10	10	10	10	10	10	10	10	6	6	6	4	4	3	6	7	6	6	7	6	6	10	10	10
Morgans Point	10	10	10	10	10	10	10	10	6	6	6	3	4	3	6	7	6	6	7	6	6	10	10	10
75/76	10	10	10	10	10	10	10	10	6	10	9	3	10	9	6	9	7	9	10	9	9	10	9	9
63/64	10	10	10	10	10	10	10	10	10	10	9	2	10	10	10	10	9	9	10	10	10	10	9	9
51/52	10	10	10	10	10	10	9	7	10	10	2	2	10	10	10	10	7	9	10	10	9	10	9	9
37/38	10	10	10	10	10	10	9	6	10	10	2	4	10	10	10	10	7	9	10	10	9	10	10	10
25/26	10	10	10	10	10	10	10	6	10	9	2	6	10	10	10	10	7	9	10	10	9	10	10	10
11/12	10	10	10	10	10	10	10	7	10	7	3	6	10	10	10	10	7	9	10	9	9	10	10	10
1 & 2 Bravo	9	6	7	10	6	10	10	10	10	2	2	6	7	10	6	6	4	5	5	6	6	6	10	10

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides or special visibility report slides. This data should be used as a guide only

Houston Pilots Wind Chart



Forecast Confidence



Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

Example

WS: 13
G:18
N

Time Knots	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm
610 Bridge	12 25 E	12 24 E	12 25 E	12 25 ENE	12 23 ENE	12 24 ENE	13 24 ENE	13 23 NE	13 24 ENE	13 24 NE	13 25 NE	13 26 ENE	13 27 ENE	13 27 ENE	13 28 ENE	13 27 E	13 27 E	13 27 E	13 26 E	12 25 E	12 25 E	12 25 ENE	13 26 ENE	13 25 ENE
Kinder 1	12 25 E	12 25 ENE	12 25 ENE	12 25 ENE	12 23 ENE	12 24 ENE	12 24 ENE	12 23 NE	13 24 ENE	13 24 NE	13 25 NE	13 26 ENE	13 26 ENE	13 27 ENE	13 28 ENE	13 27 E	13 26 E	13 27 E	13 26 E	12 25 E	12 25 E	12 26 ENE	12 26 ENE	13 25 ENE
Greens Bayou	12 24 E	11 24 ENE	11 24 ENE	11 24 ENE	11 23 ENE	12 24 ENE	12 24 ENE	12 23 NE	13 24 NE	13 24 NE	13 25 NE	13 25 ENE	13 25 ENE	13 26 ENE	13 26 ENE	13 26 E	13 25 E	13 26 ENE	13 25 E	12 25 E	12 25 ENE	12 25 ENE	12 25 E	12 25 ENE
Shell Crude	12 25 E	11 25 ENE	12 25 ENE	12 25 ENE	12 24 ENE	12 24 ENE	12 24 NE	12 24 NE	13 24 NE	13 24 NE	13 25 NE	13 25 ENE	13 25 ENE	13 26 ENE	13 26 ENE	13 26 E	13 26 E	13 26 E	13 26 E	12 25 E	12 25 E	12 26 ENE	13 26 ENE	13 25 ENE
Lynchburg Ferries	11 24 E	11 24 E	11 24 E	11 24 ENE	11 23 ENE	11 23 ENE	12 23 NE	12 23 NE	13 24 ENE	13 24 NE	13 25 ENE	13 25 ENE	13 25 ENE	13 26 ENE	13 26 E	13 26 E	13 25 E	13 26 ENE	13 25 E	12 25 E	12 24 ENE	12 25 ENE	11 25 ENE	12 25 ENE
Exxon 3	19 27 E	18 26 E	19 26 E	19 26 E	19 25 ENE	19 26 ENE	19 25 ENE	18 25 ENE	18 25 ENE	17 24 ENE	17 25 ENE	17 25 ENE	17 25 ENE	16 26 ENE	17 26 ENE	17 26 E	16 26 E	17 27 E	17 26 E	17 26 E	17 26 ENE	18 27 ENE	19 27 E	19 27 E
Morgans Point	19 28 E	19 26 E	19 27 E	19 27 E	19 26 ENE	19 26 ENE	19 26 ENE	18 25 NE	18 26 NE	18 25 NE	17 25 ENE	17 26 ENE	17 26 ENE	17 27 ENE	17 27 ENE	17 27 E	17 27 E	17 28 E	17 27 E	17 26 E	17 27 E	18 28 E	19 28 E	19 28 E
75/76	22 31 E	21 30 E	21 30 E	21 30 E	21 29 E	21 30 ENE	21 29 ENE	21 28 ENE	21 29 ENE	20 29 ENE	19 28 ENE	19 29 ENE	19 29 ENE	19 28 ENE	19 29 ENE	19 29 E	20 30 E	19 30 E	20 30 E	20 30 E	20 30 E	21 31 E	22 31 E	22 31 E
63/64	23 32 E	22 30 E	22 31 E	22 31 E	21 30 E	22 31 ENE	22 30 ENE	21 29 ENE	21 30 ENE	21 30 ENE	21 30 ENE	21 30 ENE	20 30 ENE	20 30 ENE	20 30 ENE	21 31 E	21 32 E	21 31 E	21 31 E	21 31 E	21 32 E	22 32 E	23 32 E	23 32 E
51/52	24 32 E	23 31 E	23 32 E	23 32 E	23 31 E	23 32 ENE	23 31 ENE	22 30 ENE	23 32 ENE	23 32 ENE	22 31 ENE	21 31 ENE	21 31 ENE	21 31 ENE	22 32 ENE	23 32 E	23 33 E	23 33 E	23 33 E	23 33 E	23 33 E	23 34 E	25 34 E	24 34 E
37/38	24 33 E	23 32 E	23 32 E	23 32 E	23 32 E	23 32 E	23 32 E	22 31 E	23 32 ENE	23 32 ENE	22 32 ENE	22 31 ENE	22 32 ENE	22 32 ENE	23 33 E	23 34 E	23 34 E	23 34 E	23 34 E	23 34 E	24 34 E	25 35 E	24 35 E	24 35 E
25/26	23 33 E	22 32 E	23 32 E	23 32 E	22 31 E	23 32 E	22 32 E	21 31 E	22 32 ENE	22 32 ENE	22 32 E	22 32 E	21 32 ENE	21 32 ENE	23 34 E	23 34 E	23 34 E	23 35 E	23 34 E	23 34 E	23 34 E	24 35 E	23 34 E	23 34 E
11/12	21 32 E	20 31 E	21 31 E	21 31 E	20 31 E	21 31 E	20 30 E	20 30 E	21 31 E	21 31 E	21 31 E	21 31 E	21 32 E	21 32 E	23 33 E	23 33 E	23 34 E	22 35 E	21 34 E	21 34 E	22 34 E	22 34 E	21 34 E	21 33 E
1 & 2 Bravo	25 35 E	24 34 E	25 34 E	25 34 E	23 33 E	25 34 E	24 33 E	23 32 E	25 34 E	24 34 E	24 34 E	25 34 E	25 35 E	25 36 E	25 36 E	25 37 E	25 37 E	26 38 E	25 37 E	26 36 E	26 37 E	26 37 E	25 36 E	25 35 E

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Forecast Discussion

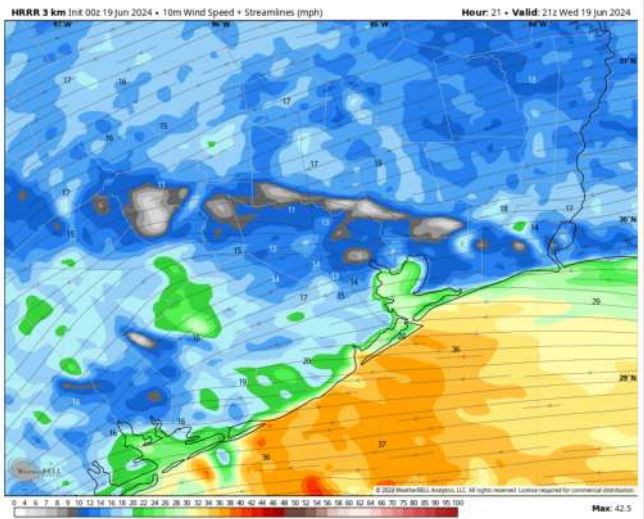
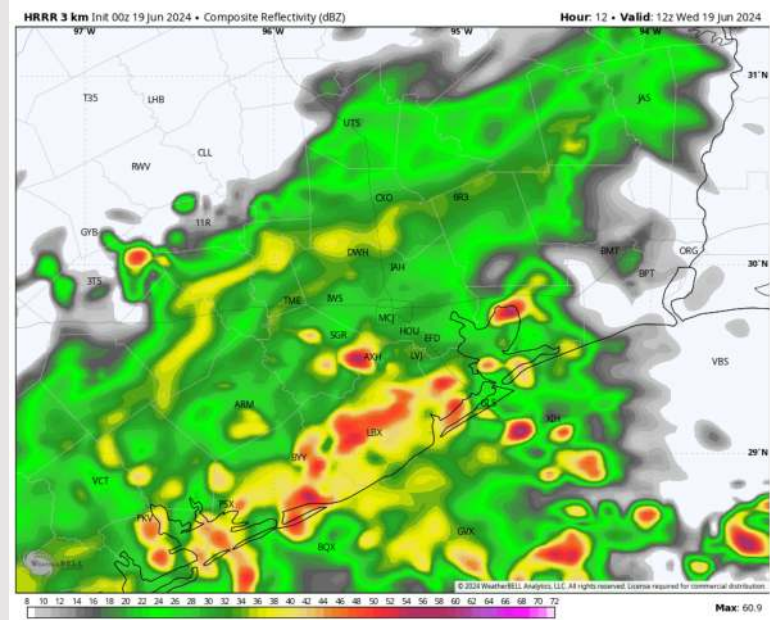
Precip: Widespread showers/thunderstorms continue into the AM hours. Showers and thunderstorms will become more scattered in nature by 12 PM, where they will persist throughout the remainder of the evening. **Main risks with thunderstorms will be lightning, hail and strong wind gusts (details below).**

Wind: Winds will be out of the E/ESE throughout the day. **N of Morgan's Point:** Favoring winds at 12-17 kts throughout Wednesday. **Thunderstorm-related wind gusts of 28-33 kts will be possible throughout the day.** **S of Morgan's Point:** Favoring winds at 29-35 kts throughout the entire day (Locally higher wins of 37 kts near the Boarding Station). **Thunderstorm-related wind gusts of 40-45 kts in play throughout the day**

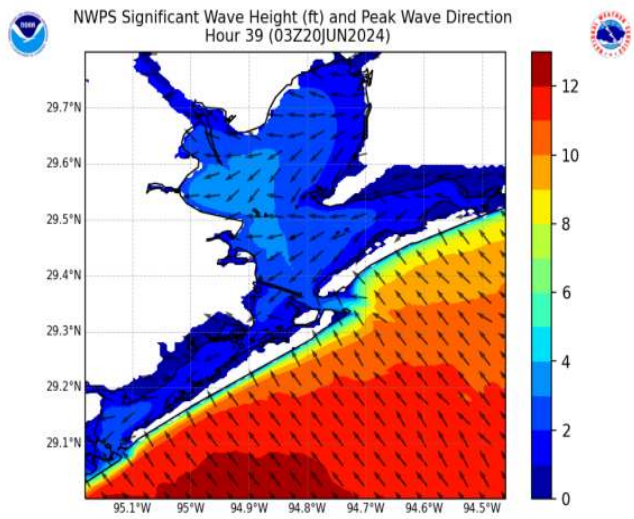
Wave Heights: Wave heights will continue to increasing, reaching 9-11 ft by 10 AM CT for Stations 11/12 and the Boarding Station (an occasional 11-12 wave cannot be ruled out).

Visibility: Not favoring any fog concerns for today, however reduced visibilities possible under heavier downpours.

Precip Image: 7 AM CT



Wind Speed
4 PM CT



Max Wave
Heights:
4 PM CT

Forecast Discussion

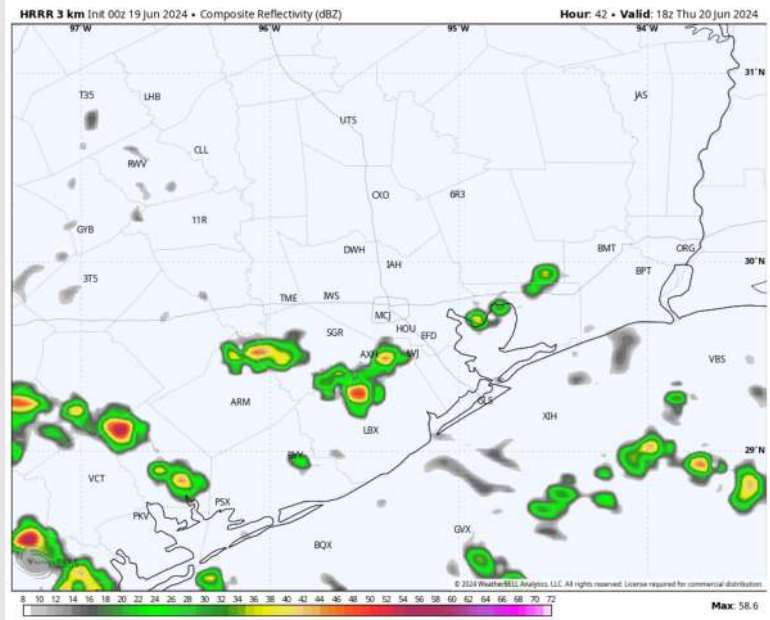
Precip: Scattered rain/storms to continue throughout the day on THU (20%). A few storms have the potential to produce wind gusts of 30-40 kts.

Wind: Winds will be out of the E/SE throughout the day THU. **N of Morgan's Point:** Winds will be at 9-14 kts for the entire day. **S of Morgan's Point:** Winds at 25-30 kts through 4 PM before decreasing to 22-26 kts through the rest of the day. **Non-thunderstorm wind gusts of 28-33 kts will be possible S of Morgan's Point throughout the day and N of Morgan's Point from 10 AM to 6 PM.**

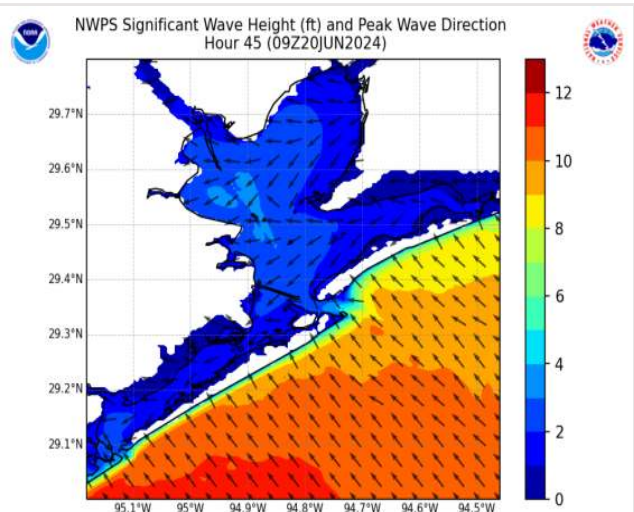
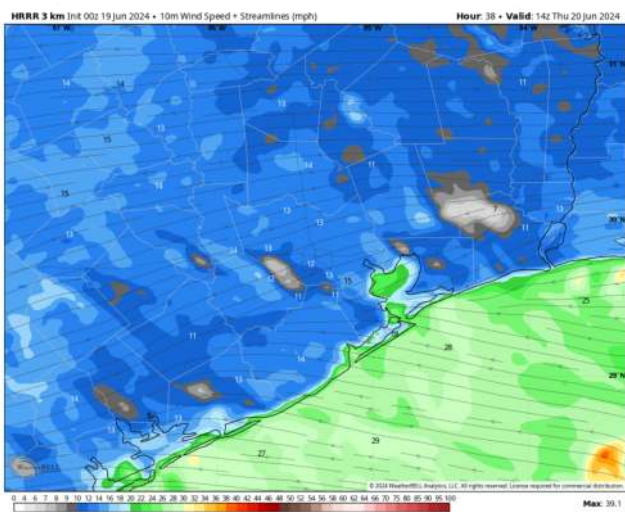
Wave Heights: Wave heights of 9-11 ft will continue for Stations 11/12 and the Boarding Station through ~7 AM CT THU. After 7 AM, wave heights will gradually decrease, however remain above 6 ft throughout all of THU.

Visibility: Not anticipating any fog concerns for Thursday, however reduced visibilities possible under heavier downpours.

Precip Image: 1 PM CT



Wind Speed:
9 AM CT



Max Wave Heights:
4 AM CT

Houston Pilots: Fri. 6/21/2024



Forecast Discussion

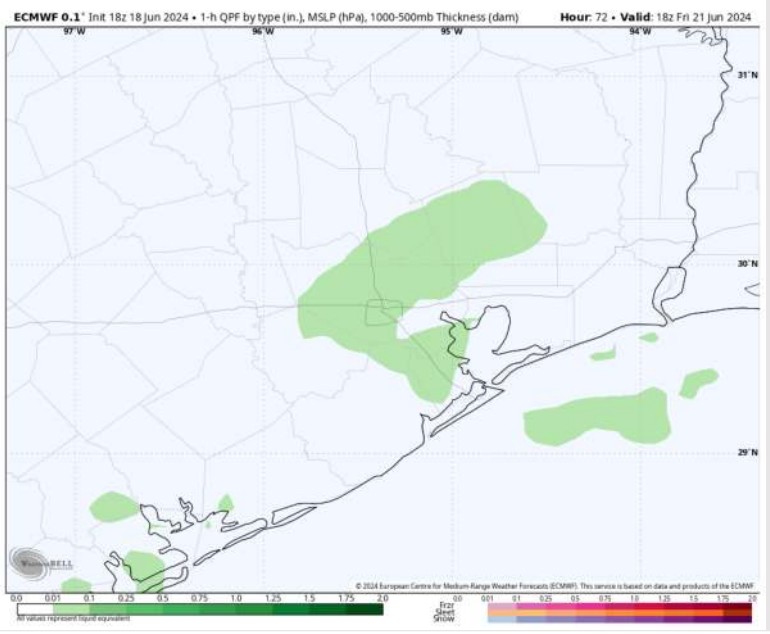
Precip: Scattered showers and thunderstorms (30%) will continue across the area through 6 PM before becoming rather hit/miss (10%) the rest of the evening.

Wind: Winds will be out of the E/SE throughout FRI. **N of Morgan's Point:** Winds at 5-10 kts throughout the day with a slight increase to 8-13 kts from 12-6 PM. **S of Morgan's Point:** Winds at 18-23 kts for the entire day FRI. **Gusts ranging from 19-24 kts possible from 11 AM to 7 PM at all stations.**

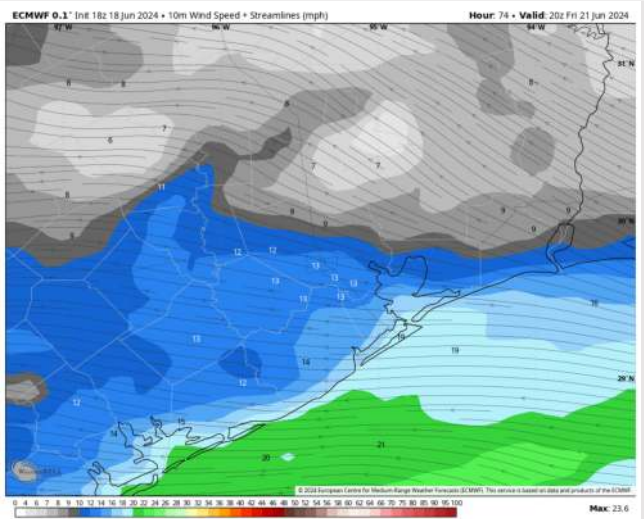
Wave Heights: Wave heights be at 6-7 ft through 4 AM CT FRI. After 4 AM, wave heights will reach under 6 ft and remaining there as they decrease the rest of the day.

Visibility: Not anticipating any fog concerns for FRI, however reduced visibilities possible under heavier downpours.

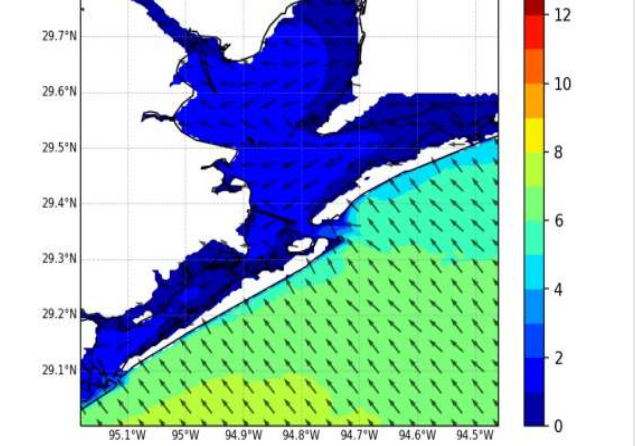
Precip Image: 1 PM CT



Wind Speed: 3 PM CT

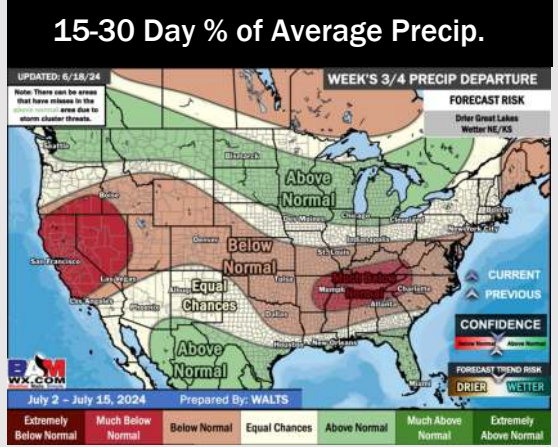
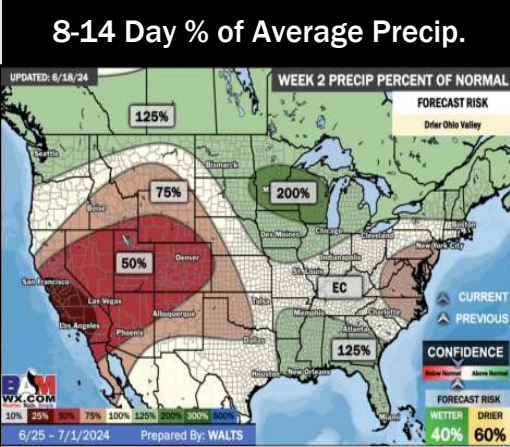
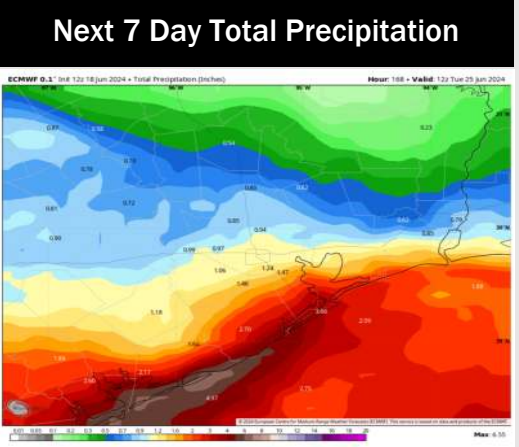
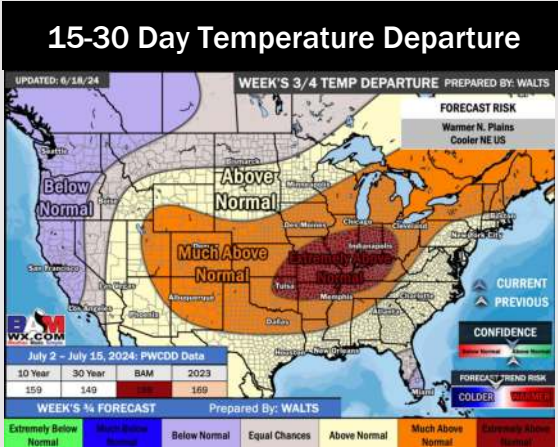
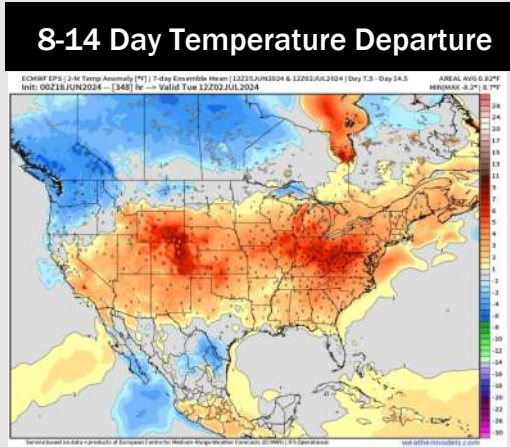
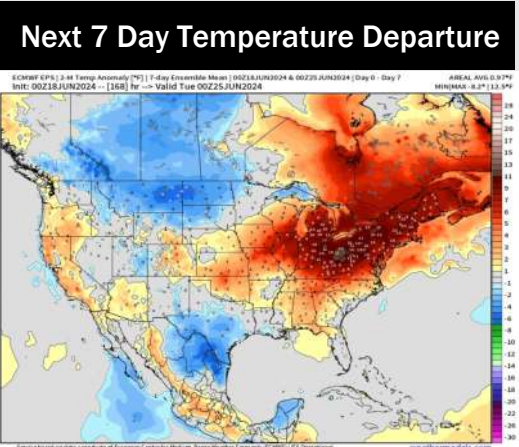


NWPS Significant Wave Height (ft) and Peak Wave Direction Hour 66 (06Z21JUN2024)



Max Wave Heights: 1 AM CT

Houston Pilots: 6/18/24



- Temps are expected to be near / slightly below normal for the week 1 timeframe. Monitoring risk for moderate/heavy rain through THU associated with a tropical system. (Check custom graphic for more information)
- Above normal precipitation chances are at play during the week 2 timeframe. Temps are expected to be near normal for week 2.
- Above normal chances for precipitation and near normal temperatures are favored in the weeks 3/4 timeframe.